

Urmia University of Medical Sciences

School of Health

Curriculum of Occupational Health Engineering- BSc. Degree

Urmia University of Medical Sciences (UMSU)- International Campus

Occupational Health Engineering curriculum for the BSc. degree. Some subjects could be displaced between semesters.

Occupational Health Engineering - BSc.-1st semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Specific physics 1	2	-		2
2	General chemistry	2	-		2
3	General mathematics 1	2	-		2
4	Physiology and Anatomy	2	-		2
5	Introduction to the Industry	1	1		2
6	The dynamics of gases and aerosols	2	-		2
7	Biochemistry and Nutrition	2	-		2
8	Pre university English	2	-		2
9	Islamic thoughts 1	2	-		2
10	Holy Defense	2	-		2
	Total				20

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Occupational Health Engineering - BSc.- 2th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Specific physics 2	2	-		2
2	General mathematics 2	3	-		3
3	Analytical Chemistry	2	1		3
4	Principles of air sampling	2	1		3
6	Safety at work 1	2	1		3
7	General English	3	-		3
8	Islamic revolution	2	-		2
Total					19

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Occupational Health Engineering - BSc.- 3th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Biostatistics	2	1		3
2	computer programming	1	1		2
3	Industrial Drawing	1	1		2
4	Solid Mechanics	2	-		1
5	Analysis and evaluation of pollutants	2	1		3
6	Safety at work 2	2	1		3
7	Occupational diseases	2	-		2
8	Physical education 1	-	1		1
9	Islamic Thought 2	2	-		2
	Total				19

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Occupational Health Engineering - BSc.- 4th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Psychology	2	-		2
2	Thermal stress	1.5	0.5		2
3	First aid	1	1		2
4	Principles of air pollution control	2	-		2
5	Occupational diseases	2	-		2
6	Human Factors Engineering 1	2	-		2
7	Safety at work 3	2	1		3
8	Thematic interpretation of Quran	1.5	0.5		2
9	English for specific purpose (ESP)	2	-		2
10	Physical education 2	-	1		1
Total					20

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Occupational Health Engineering - BSc.- 5th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Generalities of Environment	2	-		2
2	Noise and vibration in the workplace	2	1		3
3	Toxicology	2	2		4
4	Risk assessment and management	2	-		2
5	Human Factors Engineering 2	2	1		3
6	Fluid Mechanics	3	-		3
7	Analytical History of Islam	2	-		2
8	Culture and Civilization of Islam & Iran	2	-		2
Total					21

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Occupational Health Engineering - BSc.- 6th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Radiation Health	2	1		3
2	Industrial Management	2	-		2
3	Lighting in the workplace	1	1		2
4	The design ventilation systems	2	1		3
5	integrated management system	2	-		2
6	Family knowledge and population	2	-		2
7	Persian literature	3	-		3
8	Islamic ethics	2	-		2
	Total				19

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Occupational Health Engineering curriculum for the BSc. degree. Some subjects could be displaced between semesters.

Occupational Health Engineering - BSc.- 7th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Field internship 1	-	8		8
	Total	-			

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Occupational Health Engineering - BSc.- 8th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Field internship 1	-	8		8
	Total	-			8